PATENT COOPERATION TRES A PCT/PTO 0 9 FEB RCHING AUTHORITY From the INTERNATIONAL S To: NOTIFICATION OF TRANSMITTAL OF Davies Collison Cave THE INTERNATIONAL SEARCH REPORT 1 Little Gollins Street OR THE DECLARATION **MELBOURNE VIC 3000** (PCT Rule 44.1) Date of mailing 7 6 SEP 2003 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below 12301370/EJH/LM International application No. International filing date PCT/AU03/01006 8 August 2003 Applicant MELBOURNE HEALTH et al The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. 3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

Volume II, National Chapters and the WIPO Internet si	out the applicable time limits, Office by Office, see t te.	he PCT Applicant's Guide,
Name and mailing address of the ISA/AU	Authorized officer	

AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929

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JANE MCHENRY

Telephone No. (02) 6283 2091

International application No.

PCT/AU03/01006

#### CLASSIFICATION OF SUBJECT MATTER Int. Cl. 7; C12N 15/12, C07K 14/435, 16/18 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) SEE ELECTRONIC DATABASE BOX BELOW Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SEE ELECTRONIC DATABASE BOX BELOW Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DGENE, EMBL, GENBANK: SEQ ID NO: 2, 4, 6, 8, 10, 12, 14, 16, 39. c. DOCUMENTS CONSIDERED TO BE RELEVANT Category\* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Wilanowski T et al. (2002) Mech. Dev. 114(1-2): 37-50. "A highly conserved novel family of mammalian developmental transcription factors related to Drosophila grainyhead" & GenBank Accession No. AF411210, AF411211, AF411212, AF411213, XP\_018276 & XP\_002272. X 100% matched with human MGR p49, mouse MGR p61, p70 and BOM sequences. 1 - 25See whole document. Ting SB et al. (2003) Biochem J. 370(Pt 3): 953-962. "The identification and characterization of human Sister-of-Mammalian Grainyhead (SOM) expands the grainyhead-like family of developmental transcription factors" & GenBank Accession No. AY231160, AY231161 1-25 P, X See whole document. Further documents are listed in the continuation of Box C See patent family annex Special categories of cited documents: "A" document defining the general state of the art later document published after the international filing date or priority date which is not considered to be of particular and not in conflict with the application but cited to understand the principle relevance or theory underlying the invention "E" earlier application or patent but published on or document of particular relevance; the claimed invention cannot be after the international filing date considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority document of particular relevance; the claimed invention cannot be claim(s) or which is cited to establish the considered to involve an inventive step when the document is combined publication date of another citation or other special with one or more other such documents, such combination being obvious to reason (as specified) a person skilled in the art document referring to an oral disclosure, use, document member of the same patent family exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 2 6 SEP 2003 19 September 2003 Name and mailing address of the ISA/AU Authorized officer **AUSTRALIAN PATENT OFFICE** PO BOX 200, WODEN ACT 2606, AUSTRALIA JANE MCHENRY E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929 Telephone No: (02) 6283 2091



International application No.

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C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to
	(Remove spaces when completed if the page is too long)	claim No.
	Strausberg R L et al. (2002) Proc. Natl. Acad. Sci USA 99(26): 16899-16903.	<del> </del>
	"Generation and initial analysis of more than 15,000 full-length human and mouse	
	sequences" & GenBank Accession No. BC 013080, BC036890, BC037233, BC042575,	
	BC055035.	
P, X	See whole document.	1-25
		1 23
	WO 03/006618, A (Incyte Genomics, Inc.) 23 January 2003.	
P,. X	See SEQ ID NO: 30 which is 98.7% identical to SEQ ID NO: 8 and 91.4% identical to	1-4, 6, 7, 18
	SEQ ID NO: 16.	22-25
	WO 00/070000 + (777070 - 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	
n v	WO 02/070539, A (HYSEQ Inc.) 12 September 2002.	
P, X	See SEQ ID NO: 1342.	1-4, 6, 7, 18
	100% identical to SEQ ID NO: 6	22-25
	74.7% identical to SEQ ID NO: 14	
	WO 02/071928, A (Millennium Pharmaceuticals, Inc.) 19 September 2002.	
P, X	See SEQ ID NO: 91.	1-4, 6, 7, 18
	99.4% identical to SEQ ID NO: 6	22-25
	94.1% identical to SEQ ID NO: 14	22-23
	WO 02/30268, A (EOS Biotechnology, Inc.) 18 April 2002.	
X	See SEQ ID NO: 2.	146710
	99.4% identical to SEQ ID NO: 6	1-4, 6, 7, 18, 22-25
	94.1% identical to SEQ ID NO: 14	22-23
		•
	EP 1074617, A (Helix Research Institute) 7 February 2001.	
X	See SEQ ID NO: 18202.	1-4, 6, 7, 18,
	99.4% identical to SEQ ID NO: 6	22-25
	94.1% identical to SEQ ID NO: 14	
••	DGENE Abstract Accession No. AAG67096, CN 1303939 (Shanghai Borong Gene	
	Dev. Co. Ltd.) 18 July 2001.	
X	See whole abstract and Sequence.	1_1 6 7 19
	99.4% identical to SEQ ID NO: 2	1-4, 6, 7, 18, 22-25
	94.9% identical to SEQ ID NO: 4	42-23
	91% identical to SEQ ID NO: 10 and 12	
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International application No.
PCT/AU03/01006

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	TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to
	(Remove spaces when completed if the page is too long)	claim No.
	WO 00/58473, A (Curagen Corporation) 5 October 2000.	<del></del>
X	See SEQ ID NO: 3956 (page 3116).	1 4 6 7 19
	90.2 % identical to SEQ ID NO: 2	1-4, 6, 7, 18
•	96% identical to SEQ ID NO: 4	22-23
	93.1% identical to SEQ ID NO: 10 and 12	
	WO 01/75067, A (HYSEQ, Inc.) 11 October 2001.	
X	See SEQ ID NO: 42303.	146719
	100% identical to SEQ ID NO: 8	1-4, 6, 7, 18
	96.6% identical to SEQ ID NO: 16	22-23
	Huang N & Miller W L (2000) J. Biol. Chem. 275(4): 2852-2858. "Cloning of factors	
	related to filly-inducible LBP proteins that regulate steroidogenic factor 1 independent	
	I human placellal transcription of the cholesterol side-chain cleavage angree D450	
	a Genbank Accession No. AF 198489 & GenPept database Accession No. A \$22276	1
X	See whole document, LBP-32 is 100% identical to SEQ ID NO: 4.	1-7, 9, 18, 19
	·	22-25
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International application No.

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Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following	
1. Claims Nos:	
because they relate to subject matter not required to be searched by this Authority, namely:	
·	
2. Y Claims Nos : 22 (in pant)	-
(A) Claims 1005. 23 (in part)	
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:	)
See extra sheet below.	
3. Claims Nos	
on the proof.	
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)	ļ
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	-
This International Searching Authority found multiple inventions in this international application, as follows:	4
and the street of the street o	
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims	
2. As all searchable claims could be searched without effort justifying on addition to	
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As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos	
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims: it is covered by the	
is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
emark on Protest The additional search fees were accompanied bank	
The additional search fees were accompanied by the applicant's protest.	
No protest accompanied the payment of additional search fees.	

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)



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Supplemental Box		
(To be used when the space in any of Boyer I to VIII :	· c- ·	

#### Continuation of Box No: I

Claim 23 does not meet the criteria of rule 6.3 of the PCT in so far as the claim does not define the technical features of the invention. The invention resides in identifying mammalian Grainyhead transcription factors. This claim is not limited to the transcription factor being Grainyhead. Thus, claim 23 does not define the technical features of the invention. Therefore the full scope of this claim has not been searched. The claim has only been searched with respect to the transcription factor being a mammalian Grainyhead transcription factor.

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# INTERNATIONAL SEARCH REPORT

Information in patent family members

nicrnational application No.
PCT/AU03/01006

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Paten	nt Document Cited in Search Report	(To put	a line under the citation		tent Family Member	y and proce ES	n
WO	2003006618	NONI			rst point the field fox	v and press re	· · · · · · · · · · · · · · · · · · ·
WO.	2002070539	US	2003032034	wo	2003029405	WO	2003054152
WO	2002071928	US.	2003087250				2003034132
WO	200230268	AU	200215345	CA	2425569	US	2002068036
		US	2003087245				2002000000
EP	1074617	AU	200061808	AU	200061809	AU	200061810
		AU	200061811	AU	200061812	AU	200061813
		AU	200061814	AU	200061815	AU	200061816
		ΑU	200063158	CA	2380472	EP	1205549
		JР	2002171977	JР	2002191363	US	2003017480
		US	2003082776	US	2003157569	WO	200109315
		WO	200109316	wo	200109317	WO	200109318
		WO	200109319	wo	200109320	WO	200109321
		WO	200109322	wo	200109323	WO	200109345
		WO	200109346	wo	200109349		_
WO	200058473	AU	200037745	CA	2383592	EP	1165784
WO	200175067	AU	200134865	AU	200139955	AU	200149251
		AU	200149728	AU	200151194	AU	200155214
	•	CA	2399681	CA	2404501	CA	2404555
		EP	1254266	EP	1268762	EP	1268510
		US	2002061567	US	6436703	US	2002146757
	•	WO	200157266	wo	200164839	wo	200174836
		WO	200175093	WO	200175064	US	2003087370
		US	2003092112	· US	2003096279	AU	200125918
		AU .	200132971	AU	200133003	AU	200131288
		AU	200133293	AU	200134848	ΑŬ	200134944
		AU	200136658	AU	200136660	AU	200136663
		AU	200136721	AU	200143142	CA	2398251
		CA	2399644	CA	2399649	CA	2399652
		CA	2399672	CA	2399686	CA	2399776
		EP	1254265	EP	1254268	EP	1254269
		EP	1254270	EP	1261735	wo	200155334

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# INTERNA NAL SEARCH REPORT

Information on patent family members

ernational application No.

PCT/AU03/01006

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WO	200153326	WO	200155335	WO	200157255	
wo	200157260	WO	200157261	WO	200157262	
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WO	200157187	US	2003138804	AU	200138347	
AU	200141511	AU '	200141873	CA	2401505	
EP	1276751	wo	200164834	WO	200164835	
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wo	200155442	WO	200179447	WO	200188091	
AU	200132657	AU	200132989	AU	200145491	
AU	200155454	AU	200164724	AU	200122924	
AU	200125936	AU	200125955	AU	200125965	
ΑÜ	200125983	AU	200127284	AU	200127344	
AU	200127348	CA	2395731	CA	2395736	
CA	2395749	CA.	2395763	CA	2395770	
CA	2402563	· EP	1240178	EP	1242443	
EP	1242580	EP	1242596	EP	1250346	
EP	1254256	WO	200153455	WO	200153312	
WO	200153466	WO	200153485	wo	200153515	
WO	200152616	WO	200153454	WO	200153456	
US	2002146692	US	6465620	US	6569662	
US	2003104529	US	6586390	ĀŪ	200127385	
CA	2395443	EP	1248848	WO	200153500	
AU	200131177	AU	200131178	AU	200132967	
AU	200132969	AU	200133017	AU	200133041	
ΑÜ	200133047	AU	200136553	AU	200134582	
CA	2398396	CA	2398546	CA	2398548	1
CA	2398554	CA	2398215	EP	1252333	
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WO	200155333	wo	200155336	WO	200155337	
WO	200155339	wo	200155435	WO	200155437	
WO	200157233	US	2003124573	WO	2002066600	
ΑÜ	200145280	AU	200177840	CA <sub>.</sub>	2402293	
EP	1261743	WO	200216439	WO	200166689	
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Form PCT/ISA/210 (citation family annex) (July 1998)

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Information on patent family members

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	WO	2002077180	wo .	2002072138	US	2003104413
	AU	200153620	CA	2406039	· wo	200179446
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	AU	200150872	AU	200152926	CA	2406121
	EP	1274716	US	2002150898	WO	200179254
	WO	200179449				

END OF ANNEX

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